

PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT
(PCT Article 36 and Rule 70)

Applicant's or agent's file reference PCT 21208	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)							
International application No.	International filing date (day/month/year)		Priority date (day/month/year)					
PCT/US03/38590	26 November 2003 (26.11.2003))	04 December 2002 (04.12.2002)					
International Patent Classification (IPC)	International Patent Classification (IPC) or national classification and IPC							
	IPC(7): C07D 239/70, 233/76, 401/04, 487/10; A61K 31/537, 31/4168; A61P 3/08 and US Cl.: 544/231; 514/256							
Applicant								
MERCK & CO., INC.								
This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.								
2. This REPORT consists of a total of 3 sheets, including this cover sheet.								
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).								
These annexes consist of a	total of sheets.							
3. This report contains indica	ations relating to the following	items:						
I Basis of the rep	ort							
II Priority								
III Non-establishm	ent of report with regard to not	elty, inventive	e step and industrial applicability					
IV Lack of unity of	f invention							
	Z_3							
<u></u>	licability; citations and explanations supporting such statement							
	VI Certain documents cited							
	The state of the s							
VIII Certain observations on the international application								
Date of submission of the demand		Date of completion of this report						
02 July : 1 (02.07.2004)		27 July 2004 (27.07.2004)						
Name and mailing address of the IPEA/US Mail Stop PCT, Attn: IPEA/US	US Author	ofizad officer	Ball Constan					
Commissioner for Patents P.O. Box 1450	Vent	catayaynan Balas	subramanian					
Alexandria, Virginia 223 13-1450 Facsimile No. (703) 305-3230	Telep	hone No. (703))308-1235					
Form PCT/IPEA/409 (cover sheet)(July 1998)								

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.	
PCT/US03/38590	

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I.	Basi	is of the report					
1.	With	ith regard to the elements of the international application:*					
	\boxtimes	the international application as originally filed.					
	\boxtimes	the description:					
		pages 1-77 as originally filed					
		pages NONE , filed with the demand					
		pages NONE, filed with the letter of					
	\boxtimes	the claims:					
		pages 78-98 , as originally filed					
		pages NONE, as amended (together with any statement) under Article 19					
		pages NONE , filed with the demand					
		pages NONE , filed with the letter of					
	\boxtimes	the drawings:					
		pages NONE, as originally filed					
		pages NONE , filed with the demand					
		pages NONE, filed with the letter of					
	Ш	the sequence listing part of the description:					
		pages NONE, as originally filed					
		pages NONE , filed with the demand					
_	****	pages NONE , filed with the letter of					
2.	With	h regard to the language, all the elements marked above were available or furnished to this Authority in the					
	Thes	uage in which the international application was filed, unless otherwise indicated under this item. se elements were available or furnished to this Authority in the following language which is:					
	\mathbb{H}	the language of a translation furnished for the purposes of international search (under Rule23.1(b)).					
		the language of publication of the international application (under Rule 48.3(b)).					
the language of the translation furnished for the purposes of international preliminary examination(ur 55.2 and/or 55.3).							
3.	With	Vith regard to any nucleotide and/or amino acid sequence disclosed in the international application, the ternational preliminary examination was carried out on the basis of the sequence listing:					
		contained in the international application in printed form.					
		filed together with the international application in computer readable form.					
		furnished subsequently to this Authority in written form.					
		furnished subsequently to this Authority in computer readable form.					
	igsqcup	The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the					
		international application as filed has been furnished.					
		The statement that the information recorded in computer readable form is identical to the written sequence listing					
		has been furnished.					
4.	\boxtimes	The amendments have resulted in the cancellation of:					
		the description, pages NONE					
		the claims, Nos IONE					
		the drawings, sheets/fig NONE					
5		· · · · · · · · · · · · · · · · · · ·					
5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Poy (Pule 70.2(a)) **					
*	beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).** * Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to it						
this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). ** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.							
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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US03/38590

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V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
1. STATEMENT						
Novelty (N)	Claims	1-21	YES			
	Claims	NONE	, NO			
Inventive Step (IS)	Claims	1-21	YES			
	Claims	NONE	NO			
Industrial Applicability (IA)	Claims	<u>1-2</u> 1	YES			
	Claims	NONE	NO			

2. CITATIONS AND EXPLANATIONS

Claims 1-21 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest the compound, composition and the method of use embraced in claims 1-21.

Claims 1-21 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry as therapeutic agents for treating diabetes.

Form PCT/IPEA/409 (Box V) (July 1998)